



## Simultaneous Quantification of Nine Flavonoids in *Ginkgo biloba* Extract Tablets by HPLC-DAD

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**SUMMARY.** A new HPLC-DAD method has been developed and validated for the simultaneous analysis of nine flavonoids (rutin, myricetin, quercitrin, quercetin, luteolin, genistein, kaempferol, apigenin, and isorhamnetin) in *Ginkgo biloba* tablets. The analytes were separated on a kromasil C<sub>18</sub> column and recorded at 254 nm. The greatest resolution was achieved with methanol-0.1 % formic acid gradient at a flow rate of 1.0 mL min<sup>-1</sup>. For all the analytes, the correlation coefficients for all the calibration plots ( $R^2 > 0.999$ ) showed good linearity over the range tested. The method was validated for repeatability, precision, stability, accuracy, selectivity, and robustness. The validated method has been successfully applied to simultaneous analysis of these active components in *Ginkgo biloba* tablets from different manufacturers.

**KEY WORDS:** Flavonoids; *Ginkgo biloba* tablet, High performance liquid chromatography, Method validation, Quantitative analysis.

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